UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

# NOTICE OF ALLOWANCE AND FEE(S) DUE

22443

7590

09/01/2004

LAW OFFICE OF MONICA H CHOI P O BOX 3424 DUBLIN, OH 430160204 EXAMINER

WILLIAMS, ALEXANDER O

ART UNIT PAPER NUMBER

2826

DATE MAILED: 09/01/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/690,434	10/21/2003	Pin-Chin C. Wang	02-06A	3716

TITLE OF INVENTION: SELF-ALIGNED BARRIER FORMED WITH AN ALLOY HAVING AT LEAST TWO DOPANT ELEMENTS FOR MINIMIZED RESISTANCE OF INTERCONNECT

APPLN, TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	12/01/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (703) 746-4000

ammonerate All firsther com	respondence including the le elow or directed otherwise	intent advance are	ierc and noti	tication .	ot maintenance tees v	ired). Blocks I through 5 s will be mailed to the current ; and/or (b) indicating a sepa	correspondence address as
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Fee(s) Transmittal. The	mailing can only be used for is certificate cannot be used al paper, such as an assignment	for any other accompanying	
	90 09/01/2004				have its own certificat	e of mailing or transmission.	
	F MONICA H CHO	[			Ce	rtificate of Mailing or Trans	smission
P O BOX 3424					States Postal Service	with sufficient postage for fir	st class mail in an envelope
DUBLIN, OH 4301	60204				addressed to the Ma transmitted to the USI	his Fee(s) Transmittal is bein with sufficient postage for fir il Stop ISSUE FEE address PTO (703) 746-4000, on the control of	above, or being facsimile date indicated below.
							(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE	I	FIRST NAME	) INVEN	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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nonprovisional	МО	\$1330			\$0	\$1330	12/01/2004
EXAM	INER	ART UN	IT	CL	ASS-SUBCLASS		
WILLIAMS, A	LEXANDER O	2826	-		257-751000		
Address form PTO/SB/12  "Fee Address" indicate	lence address (or Change of	Correspondence	(1) the nar or agents ( (2) the nar registered 2 registere	mes of u OR, alter me of a s attorney ed patent	the patent front page, I ap to 3 registered pate natively, single firm (having as or agent) and the nar attorneys or agents. It Il be printed.	a member a 2nes of up to	
3. ASSIGNEE NAME AND	RESIDENCE DATA TO B	E PRINTED ON T	HE PATENT	(print c	or type)		
PLEASE NOTE: Unless		elow, no assignee	data will app	ear on t	he patent. If an assig	nee is identified below, the	document has been filed for
(A) NAME OF ASSIGN	EE	(B	) RESIDENC	CE: (CIT	Y and STATE OR CO	OUNTRY)	
					_		
Please check the appropriate	assignee category or catego	ries (will not be pri	inted on the p	atent):	Individual U	Corporation or other private gr	roup entity Government
4a. The following fee(s) are	enclosed:	4b	. Payment of	٠,,			
					nount of the fee(s) is e		
Publication Fee (No small entity discount permitted)  Advance Order - # of Copies  The Director is hereby authorized by charge the required fee(s), or credit any over the control of the control			e aradit any avarnayment to				
Advance Order - # of	Copies	<del></del>			mber		copy of this form).
5. Change in Entity Status	`	,	Dh Applic	cant is no	longer claiming SMA	ALL ENTITY status. See 37 (	FR 1 27(g)(2)
	MALL ENTITY status. See				•		
NOTE: The Issue Fee and P interest as shown by the reco	ublication Fee (if required) vords of the United States Pate	will not be accepted ent and Trademark	from anyone Office.	e other th	nan the applicant; a reg	sly paid issue fee to the applic gistered attorney or agent; or	the assignee or other party in
Authorized Signature				_	Date		
				-	=	n No.	
This collection of information an application. Confidential	on is required by 37 CFR 1.3 ity is governed by 35 U.S.C	11. The informatio 122 and 37 CFR	n is required 1.14. This co	to obtain	or retain a benefit by is estimated to take 12	the public which is to file (ar minutes to complete, includ	nd by the USPTO to process) ing gathering, preparing, and

an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFK 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Pepartment of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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LAW OFFICE	OF MONICA H CHOI		WILLIAMS, AI	EXANDER O
P O BOX 3424 DUBLIN, OH 4			ART UNIT	PAPER NUMBER
DOBEIN, OH	30100204		2826	
			DATE MAILED: 09/01/2004	1

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



## United States Patent and Trademark Office

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	OF MONICA H CHO	WILLIAMS, ALEXANDER O		
P O BOX 3424 DUBLIN, OH 43	30160204		ART UNIT	PAPER NUMBER
DOBLIN, OII 4.	00100204		2826	<del></del>
			DATE MAILED: 09/01/200	4

### Notice of Fee Increase on October 1, 2004

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2004, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" because an increase in fees effective on October 1, 2004 is anticipated. See Revision of Patent Fees for Fiscal Year 2005; Proposed Rule, 69 Fed. Reg. 25861, 25863, 25864 (May 10, 2004).

The current fee schedule is accessible from WEB site (http://www.uspto.gov/main/howtofees.htm).

If the fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due" but not the correct amount in view of the fee increase, a "Notice of Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice of Pay Balance of Issue Fee," if the response to the Notice of Allowance is to be filed on or after October 1, 2004 (or mailed with a certificate of mailing on or after October 1, 2004), the issue fee paid should be the fee that is required at the time the fee is paid. See Manual of Patent Examining Procedure (MPEP), Section 1306 (Eighth Edition, Rev. 2, May 2004). If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously-paid issue fee should be paid. See MPEP Section 1308.01.

Effective October 1, 2004, 37 CFR 1.18 is proposed to be amended by revising paragraphs (a) through (c) to read as set forth below. As stated above, the final fee may be a different amount, and applicant should check the WEB site given above when paying the fee.

Section 1.18 Patent post allowance (including issue) fees.

(a) Issue fee for issuing each original or reissue patent, except a design or plant patent:

By a small entity (Sec. 1.27(a))	\$670.00
By other than a small entity	\$1,340.00
	\$245.00
By other than a small entity	\$490.00
	\$325.00
By other than a small entity	\$650.00
	By a small entity (Sec. 1.27(a))

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.